

20031006.qrp v03_n065.qrl.20031006

Date: Mon, 6 Oct 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3065

QRP-L Digest 3065

Topics covered in this issue include:

- 1) [158860] Re: BPL Testing Nationwide
by Bruce Muscolino <w6toy@erols.com>
- 2) [158861] CW Programs
by Marv Fagenson <k6hcj@juno.com>
- 3) [158862] F/S FT-817
by "nf7v" <nf7v@cox.net>
- 4) [158863] HW-8 Output cores on 20 & 15
by "Laurie Landry" <landr@nbnet.nb.ca>
- 5) [158864] Noise reduction question for the mobileers
by Rick McKee <kc8aon@juno.com>
- 6) [158865] Re: Oh happy day!
by "Ron Polityka" <wb3aal@verizon.net>
- 7) [158866] Piggie Net
by "Jerry Ford" <benlightnd13@mchsi.com>
- 8) [158867] Re: HW-8 Output cores on 20 & 15
by Bob Sellars <kb2fel@yahoo.com>
- 9) [158868] Re: HW-8 Output cores on 20 & 15
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 10) [158869] Re: HW-8 Output cores on 20 & 15
by Jim Eshleman <jce0@Lehigh.EDU>
- 11) [158870] Re: Oh happy day!
by Chris Cartwright <ccart@phideaux.com>
- 12) [158871] Call sign lookup CD Rom
by "W. K. Harding" <k4ahk@ix.netcom.com>
- 13) [158872] AA4XX 30M weekend beacon summary
by "Paul Stroud" <aa4xx@bellsouth.net>
- 14) [158873] Re: HW-8 Output cores on 20
by "Mike Czuhajewski" <wa8mcq@comcast.net>
- 15) [158874] Ten Tec Scout
by "R Mason" <lostmessages@comcast.net>
- 16) [158875] Re: Item on HW-8 cores
by "Laurie Landry" <landr@nbnet.nb.ca>
- 17) [158876] Spartan Sprint Tonight!
by "John Huffman" <hjohnc@core.com>
- 18) [158877] Re: Ten Tec Scout
by "Pastor-kc1di" <elbc2@zwi.net>
- 19) [158878] Re: AA4XX 30M weekend beacon summary

- by "John Sielke" <jsielke@pobox.com>
- 20) [158879] Elecraft K1 For Sale
by "Bruce Milne" <bmilne@cox.net>
- 21) [158880] "K" CW ID on 7040 kHz
by "Jeff Imel" <jeffimel@hotmail.com>
- 22) [158881] Elecraft K1 For Sale (2)
by "Bruce Milne" <bmilne@cox.net>
- 23) [158882] Re: jeweler saws?
by "philip wilcox" <pwilcox6042@wideopenwest.com>
- 24) [158883] RE: "K" CW ID on 7040 kHz
by Mark Schoonover <schoon@amgt.com>
- 25) [158884] Greenville Hamfest
by Chuck Carpenter <w5usj@9plus.net>
- 26) [158885] For Sale: Small Wonder Labs DSW-II, 20-meter version
by Ron Evans <cosmos41@ix.netcom.com>
- 27) [158886] RE: Noise reduction question for the mobileers
by Mark Schoonover <schoon@amgt.com>
- 28) [158887] OT: electrical engineering positions
by "Jason Hsu" <jhs001@heronetwork.com>
- 29) [158888] RE: "K" CW ID on 7040 kHz
by "Jeff Imel" <jeffimel@hotmail.com>
- 30) [158889] E-bay fake
by "Jerry Ford" <benlightnd13@mchsi.com>
- 31) [158890] SOLD -- DSW-II
by Ron Evans <cosmos41@ix.netcom.com>
- 32) [158891] OT: Teachable moments - motors and generators
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 33) [158892] BPL Testing -underground...
by "sslyon" <sslyon@megalink.net>
- 34) [158893] Re: Morse Code on TV
by Michael Babineau <michael.babineau@sympatico.ca>
- 35) [158894] RE: "K" CW ID on 7040 kHz
by William R Colbert <w5xe@juno.com>
- 36) [158895] RE: BPL Testing -underground...
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 37) [158896] Re: Teachable moments - motors and generators
by "Bruce Kizerian" <kizerian@xmission.com>
- 38) [158897] RE: OT: BPL Testing Nationwide
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 39) [158898] Re: OT: electrical engineering positions
by Brian Mileschosky <n5zgt@swcp.com>
- 40) [158899] RE: electrical engineering positions
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 41) [158900] Re: Elecraft K1 For Sale
by "Bruce Milne" <bmilne@cox.net>
- 42) [158901] Re: BPL Testing -underground...
by Karl Larsen <k5di@zianet.com>
- 43) [158902] Re: electrical engineering positions

by Bruce Muscolino <w6toy@erols.com>
44) [158903] FS: DSW-II-20
by "Jeff Imel" <jeffimel@hotmail.com>
45) [158904] Re: QRP Ideas
by "Mike WA8BXN" <hubby2k@hotmail.com>
46) [158905] RE: "K" CW ID on 7040 kHz
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
47) [158906] Re: "K" CW ID on 7040 kHz
by Tom Severt <n2uhc@yahoo.com>
48) [158907] Re: Spartan Sprint Tonight
by "sslyon" <sslyon@megalink.net>

Date: Sun, 05 Oct 2003 17:46:56 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: adamsmed2@cableone.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158860] Re: BPL Testing Nationwide
Message-ID: <3F809150.2FC1909C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wonder if they could get a TV station to join them in a receiver test?

73

>

> I have just found out that Boise Idaho will be one of the sites for BPL

Date: Sun, 5 Oct 2003 15:00:04 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-l@Lehigh.edu
Subject: [158861] CW Programs
Message-ID: <20031005.150004.-1645683.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Tnx, all for the help locating CW programs for XP, etc. op systems.
I'll report back what kinda success we had configuring different CW
training systems to our computers. BTW, I teach a CW class for the San
Fernando Valley ARC (Los Angeles area).

Tnx,72 and less

Marv Fagenson

k6hcj@Juno.com

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Date: Sun, 5 Oct 2003 15:06:50 -0700
From: "nf7v" <nf7v@cox.net>
To: <qrp-1@lehigh.edu>
Subject: [158862] F/S FT-817
Message-ID: <006801c38b8c\$fa5a2580\$0200a8c0@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have the following for sale. Price includes shipping conus.
Please respond directly to me nf7v@cox.net

Yaesu FT-817 purchsased new from Ham Radio Outlet in August 2002.
includes: Microphone
"AA"battery holder
antenna for 6 & 2 meters and 70 cmeters
ED6-B power cable (with zener, fuse and powerport connectors installed)
strap
and manual.

also purchased at the same time was a special promotion kit from Yaesu which included:

Yaesu FNB-72 Nicad battery pack (1000mahrs)
Yaesu NC-72B Nicad Charger
Yaesu MC-36 DTMF Microphone (needed to access autopatches on VHF and UHF)
Yaesu Vinyl case

and:
from Batteries America (see QST)
a 2200 mahr battery

"The pack-it reference manual for the YAESU FT-817" second edition, by VE3AYR

Yaesu CT-62A serial interface cable.

\$725 including shipping CONUS

Make me an offer

Russ NF7V

Date: Sun, 5 Oct 2003 19:47:16 -0300
From: "Laurie Landry" <landr@nbnet.nb.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<heathkit@cyberventure.com>
Subject: [158863] HW-8 Output cores on 20 & 15
Message-ID: <003e01c38b92\$a040e740\$d228a50a@nbtel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm trying to get an HW-8 of unknown ancestry to behave properly! The inductance of the cores on 40,20 and 15m seem to differ from the values indicated on the schematic. Would anyone in this group know what type of powdered iron is used on the 20 and 15 output cores. The HW-8 handbook has values for 80 and 40, however I cant seem to find any info on the others. Thanks in advance.

Laurie, VE1AWJ

Date: Sun, 5 Oct 2003 18:51:44 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [158864] Noise reduction question for the mobileers
Message-ID: <20031005.185149.9406.0.kc8aon@juno.com>

Got a lot of hash from my eletric fuel pumps (yes it has 2 pumps ! a delivery pump in the tank, and a hi pressure pump mounted on the frame) Thinking of installing a capacitor across the power lead to ground on each one to eliminate or lessen the hash. What value of capacitors do I need ? I know they should be high voltage types because of all the voltage spikes, but what value of capacitance is needed ? I know it's the fuel pumps causing the noise, cause the truck will run for a few seconds until the pressure bleeds off after I pull the inertia switch and shut the fuel pumps down. Wanting to operate some QRP on the trips to

and from work, and possibly on my lunch breaks !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW when I'm dead ! MAYBE !

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Surf the web up to FIVE TIMES FASTER!
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Date: Sun, 5 Oct 2003 20:08:12 -0400
From: "Ron Polityka" <wb3aal@verizon.net>
To: ".QRP-L" <qrp-l@Lehigh.EDU>
Subject: [158865] Re: Oh happy day!
Message-ID: <000d01c38b9d\$eeb08ce0\$0200a8c0@WB3AAL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They are building a Harbor Freight in Reading, PA.

72 and Thanks,
Ron Polityka
WB3AAL
www.n3epa.org/

----- Original Message -----
From: "W2EB" <w2eb@twcnny.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, October 05, 2003 6:32 PM
Subject: Re: Oh happy day!

> I guess they're trying to expand in upstate NY. They opened a
> store in North Syracuse in July. On Rt.11 near the intersection with
> 81/481.
>
> Bill
> W2EB
>

> David Hinerman wrote:
> > I just noticed there's a new Harbor Freight store in Rochester, NY!
> --
> "Thomas Hodgkin died of natural causes"
>
>

Date: Sun, 5 Oct 2003 19:29:41 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [158866] Piggie Net
Message-ID: <00b901c38ba0\$ef4f84a0\$0077da0c@mchsi.com>

Got some good conditions for the piggie net tonight folks. Everyone drop by and say howdy on 7.044 at 01:00z

FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

Date: Sun, 5 Oct 2003 17:53:31 -0700 (PDT)
From: Bob Sellars <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: landr@nbnet.nb.ca
Subject: [158867] Re: HW-8 Output cores on 20 & 15
Message-ID: <20031006005331.83637.qmail@web80601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Laurie Landry <landr@nbnet.nb.ca> wrote:
> I'm trying to get an HW-8 of unknown ancestry to
> behave properly! The
> inductance of the cores on 40,20 and 15m seem to
> differ from the values
> indicated on the schematic. Would anyone in this
> group know what type of
> powdered iron is used on the 20 and 15 output cores.
> The HW-8 handbook has
> values for 80 and 40, however I cant seem to find
> any info on the others.
> Thanks in advance.
>

> Laurie, VE1AWJ

>

I am not sure but think the HW-9 has the same low pass filter network.

The values for the HW-9 are.

15 meters .55uH toroid

20 meters .9uH toroid

There are a couple of low pass filter kits around that should work fine.

Hope this helps

72

Bob

KB2FEL/8

<http://www.geocities.com/kb2fel/kb2felqrp.html>

Do you Yahoo!?

The New Yahoo! Shopping - with improved product search

<http://shopping.yahoo.com>

Date: Sun, 5 Oct 2003 19:58:22 -0700

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: <landr@nbnet.nb.ca>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [158868] Re: HW-8 Output cores on 20 & 15

Message-ID: <00dc01c38bb5\$b48c2250\$0400000a@wa5bdu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Someone did a bunch of research on that and published in the QRP ARCI magazine. You might be able to find info doing a Google search. The cores somehow get zapped (their permeability permanently changes) and have to be replaced.

That said, it sort of depends too on how much they differ. Toroid inductors will vary a fair amount. What, QRP-Lers--maybe 20% or so?

72--Nick, WA5BDU

----- Original Message -----

From: "Laurie Landry" <landr@nbnet.nb.ca>

> I'm trying to get an HW-8 of unknown ancestry to behave properly! The
> inductance of the cores on 40,20 and 15m seem to differ from the values
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> values for 80 and 40, however I cant seem to find any info on the others.
> Thanks in advance.
>
> Laurie, VE1AWJ
>

Date: Sun, 05 Oct 2003 21:09:02 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158869] Re: HW-8 Output cores on 20 & 15
Message-ID: <3F80C0AE.4050207@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

WA8MCQ's articles are here:

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/articles/index.html>

They may be what you're looking for.

73

Jim N3VXI

> Someone did a bunch of research on that an published in the QRP ARCI
> magazine. You might be able to find info doing a Google search. The cores
> somehow get zapped (their permeability permanently changes)and have to be
> replaced.
>
> That said, it sort of depends too on how much they differ. Toroid inductors
> will vary a fair amount. What, QRP-Lers--maybe 20% or so?
>
> 72--Nick, WA5BDU
>

> ----- Original Message -----
> From: "Laurie Landry" <landr@nbnet.nb.ca>
>
>>I'm trying to get an HW-8 of unknown ancestry to behave properly! The
>>inductance of the cores on 40,20 and 15m seem to differ from the values
>>indicated on the schematic. Would anyone in this group know what type of
>>powdered iron is used on the 20 and 15 output cores. The HW-8 handbook
>
> has
>
>>values for 80 and 40, however I cant seem to find any info on the others.
>>Thanks in advance.
>>
>>Laurie, VE1AWJ
>>

Date: Sun, 5 Oct 2003 21:07:57 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: qrp-l@lehigh.edu
Subject: [158870] Re: Oh happy day!
Message-ID: <Pine.LNX.4.21.0310052103550.5996-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 5 Oct 2003, Ron Polityka wrote:

> They are building a Harbor Freight in Reading, PA.

There's one open on Eisenhower Blvd in Harrisburg, PA. I've already
spent more than a few "allowances" in there. Guess it's the same feeling
some women get in a shoe store, even if I don't buy anything it's worth
the 90 minute trip :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sun, 5 Oct 2003 21:21:15 -0400
From: "W. K. Harding" <k4ahk@ix.netcom.com>

To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [158871] Call sign lookup CD Rom
Message-ID: <410-22003101612115625@ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

There were ten responders to my request for opinions about four call sign lookup cd roms. The answers I received are:

CD ROM	VOTES
Buckmaster	4
QRZ	4
RAC Flying Hoss	2
SAM	0

Thanks for your help.

Bill - K4AHK

Date: Sat, 18 Oct 2003 22:11:11 -0400
From: "Paul Stroud" <aa4xx@bellsouth.net>
To: <knight_qrss@cmts.be>
Cc: <qrp-l@lehigh.edu>
Subject: [158872] AA4XX 30M weekend beacon summary
Message-ID: <002001c395e6\$449afad0\$6101a8c0@m1d0u0>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,

A number of listeners sent in reports for the 30M QRSS beacon. Some listeners decoded the 9 minute long codeword "PLANK" by ear. Each dit was 10s long and each dot was 30s long, so this took a bit of patience. Those listeners who could not actually hear the beacon had to resort to computer aided copy, using such programs as Argo, Spectran, and Spectrum Lab.

It has been fun to read the comments from fellow listeners. Some of their notes appear in the list below. Reports sent to me after this

post will be compiled into a separate summary.

Many thanks to the following stations who filed reports over this past weekend. Both "aye" and "nay" reports are appreciated:

Session 1,	QRSS10	100mW	Codeword	"PLANK"	(Saturday)
WD4KPD	Washington,	NC	no copy		
W5KDJ	Spring,	TX	no copy		
N0KIA	Allentown,	PA	audible copy with attic dipole		
K2UD	Buffalo,	NY	audible copy with Sony ICF2010 & whip ant; copied PLANK by ear		
NA8M	Grand Rapids,	MI	peaking S7; copied PLANK by ear		
K2WW 16:33Z	Miami,	FL	no copy		
KD1YV of PLANK with .WAV file	Bethel,	CT	audible copy; nice screen copy		
K40AH	Atlanta,	GA	RST 549; dipole up 30'		
K8KFJ 17:45	St. Albans,	WV	RST 549; nice .MP3 audio file		
W2AGN	Vineland,	NJ	peaking S9; K2 & big loop Nice Argo screenshot and .WAV		
KD5TFD screen capture	Round Rock,	TX	inaudible sig but good Argo of PLANK		
ON5EX 21:40	Zevergem,	Belgium	inaudible, but well defined Spectrum Lab capture of PLANK		
PA1SDB 21:45	Appingdam,	Netherlnds	inaudible,decoded PLANK using Argo; inv vee up 5M		
ON5SL	Belgium		inaudible sigs, decoded PLANK with DSP software		
W0CH shot of PLANK	Seneca,	MO	audible copy and Argo screen shot of PLANK		

Session 2,	QRSS10	50mW	Codeword "RED" (Sunday)
N4VBV	Sumter,	SC	no copy
N5WL 02:15	Woodward,	OK	audible copy, 80M dipole
KD5TFD	Round Rock,	TX	audible copy and Argo screen
capture of RED; inv vee at 20'			
W2AGN 12:30	Vineland,	NJ	audible copy; screen capture RED nice .WAV file
K40AH	Atlanta,	GA	audible copy, varying S0-S5
KD1YV	Bethel,	CT	audible copy and Spectran copy of RED
W0CH	Seneca,	MO	nice clean screenshot of RED

Session 3,	QRSS10	10mW	Codeword "DIT"
W2AGN 16:15	Vineland,	NJ	RST 539; screen capture of DIT
K40AH 16:25	Atlanta,	GA	weak copiable CW ID

Session 4,	QRSS10	50mW	Codeword "RED"
PA1SDB 21:03	Appingdam, Neth.		inaudible, but good Argo trace of RED
AJ4AY 21:08	Mobile,	AL	RST 319; copied RED by ear; K2 & big horix loop
K2UD 21:35	Buffalo,	NY	Sony Portable IC-2010; copied

RED by ear

Session 5, QRSS10 1mW Codeword "EAT"

K40AH 21:50 Atlanta, GA CW ID barely copiable by ear

Final Session QRSS10 50mW Codeword "RED"

WA5BDU 00:45 Russellville, AR audible copy; partial copy of
codeword by ear with 180'
dipole

KM1Z 00:37 Burlington, VT audible S5; copied RED by ear
with big horiz loop at 30'

Till next time 72 de Paul, AA4XX

Date: Mon, 6 Oct 2003 00:24:58 -0400
From: "Mike Czuhajewski" <wa8mcq@comcast.net>
To: <qrp-1@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@comcast.net>
Subject: [158873] Re: HW-8 Output cores on 20
Message-ID: <001401c38bc1\$cde39920\$6400a8c0@gambrl01.md.comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry, the HW-8 does not use low pass filters in the output. Unlike more modern QRP rigs, it uses a rather oddball matching network, but it does work. I noted a long time ago that some Heath designs seemed to do things

differently than the "normal" way of doing them. Didn't want to be accused of being copycats, I guess :-)

And as I mentioned in an article a very long time ago, there are some surprisingly high impedance points within the network, which means high voltages (but low current). I've amazed people by lighting a neon bulb by touching it to the proper spot in the network :-). And after I told them about it, a few others have satisfied themselves that it's for real by lighting neons on their own HW-8's. The voltages are highest on 80M. (But the impedance is quite high at those points. I remember connecting a 22,000 ohm resistor from the highest voltage point to ground and seeing a substantial drop in output power!)

I discovered the problem with the output cores on 80 and 40 meters going bad back around 1990 or so, when someone gave me a problem HW-8 to work on. The symptom was that it had low power on those two bands and even after tuning up everything the power remained low. And checking voltages with a scope didn't lead anywhere, since levels looked good everywhere, comparing them with a good HW-8.

It took a good while to find the problem, since I never expected toroids to go bad! The only way I found it was by trying absolutely everything else, and then getting desperate. I set the good HW-8 beside the bad one, and used portions of both rigs to make one good transmit section. I'd tap off the signal from one at a certain point and inject it into the other at the same point, slowly stepping my way through various points in the entire transmit path to see where the problem was. I finally got to the end of the chain and found out that it was the cores that had gone bad. Really surprised me. And the best cure is to just chuck the old coils, buy fresh toroids of the proper type and wind new coils. (The articles tell why that's the best way.)

Turns out it wasn't a fluke, either. I used to keep track of confirmed fixes, both on ones that I did myself and reports from others who followed my advice and replaced the coils themselves. I quit counting when I hit ten confirmed cases, and that was somewhere in the mid 90's!

Heath used relatively low permeability ferrites on both 80 and 40, although the higher bands used powdered irons. I later did some experiments, zapping perfectly good ferrite cores of the same material type and making them just as bad as the ones in a bad HW-8. I tried the same thing with some powdered irons, too. Those were much less susceptible to a change in characteristics, and I could only tell they had changed because I measured the "before" and "after" values with a Boonton 260A Q meter. The "after" values were still quite believable.

I wrote an article for the QRP Quarterly on the bad core problem quite a few years ago, and later updated it by writing about the experiments with

zapping perfectly good cores. I resurrected the whole thing a few years back when I had the opportunity to make an entire set of HW-8 output coils for someone, for all 4 bands. I printed the recipe for them in the Idea Exchange column in the QRP Quarterly in the July 2001 issue. I'll get with N3VXI to have it uploaded to the QRP-L file archives. (It's been years since I uploaded anything and long since forgot my password to do it!)

BTW, I've heard lots of interesting stories over the years about HW-8's. For instance, I've been told of someone buying one that had no output cores in it whatsoever--all the spots were empty--and another bought one in which all the spots had coils in them, but none of them were the right one! Remember, if you buy an HW-8 at a hamfest or on eBay, it may be coming from someone with a masters degree in electrical engineering or from a butcher, or anything in between :-)

PS--the problem with the bad cores only appears on 80 and/or 40 meters, not the two higher bands. If an HW-8 has low output on the other bands, it can probably be fixed by just tuning up the rig, cleaning band switch contacts, etc. The coils on 20 and 15 "never" go bad, or at least not noticeably bad, being powdered irons instead of ferrite. But of course that's assuming that the rig has the right coils in those positions. If some butcher has put different coils into those spots, all bets are off. (See paragraph above!)

73 and queue our pea DE WA8MCQ

Date: Mon, 6 Oct 2003 01:34:57 -0400
From: "R Mason" <lostmessages@comcast.net>
To: <qrp-l@lehigh.edu>
Subject: [158874] Ten Tec Scout
Message-ID: <NFBBLFFOILIDGGKFDNEBOEIDCOAA.lostmessages@comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple questions on the Scout:

I just got one with all the band modules and am fairly happy with it. Added the QRP switch mod so I don't have to play with the power pot... I want to run it mobile but did not get a noise blanker module with it. If anyone happens to have a blanker they would like to sell, PLEASE let me know.

Drift ????? My unit does not seem to drift (as they ar noted for) in the conventional manner. There are occasional sudden SLIGHT jumps off and back to the chosen freq. A slight shift in note is detectable, but the rig does

not go wondering off frequency never to return. What mods, if any, have been come up with to improve stability on these rigs? Wondering if this radio may already be modified somehow. And if further improvements may be possible.

72

Bob WB8CAC

<http://www.qsl.net/wb8cac>

Date: Mon, 6 Oct 2003 07:24:16 -0300
From: "Laurie Landry" <landr@nbnet.nb.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"Mike Czuhajewski" <wa8mcq@comcast.net>
Subject: [158875] Re: Item on HW-8 cores
Message-ID: <002001c38bf3\$ff13b020\$d228a50a@nbtel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my query and especially to Mike. Your article provided the exact info required. Since this HW-8 has been butchered to some degree and may have never worked properly, I want to make a fresh start in some areas. Besides low output on 40 and 20, on 15 I get a beautiful sine wave of 38 volts peak to peak into a 50 ohm dummy load, but at a frequency of 19.2xx Mhz with a signal that I can hardly hear on another receiver in the 15m band. But that is something for later.

Again thanks Mike and all those who responded,

Laurie, VE1AWJ

Date: Mon, 6 Oct 2003 06:35:11 -0400
From: "John Huffman" <hjohnc@core.com>
To: <Adventureradiosociety-announcements@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158876] Spartan Sprint Tonight!
Message-ID: <004301c38bf5\$85ad2070\$c8c859cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tonight is the October Adventure Radio Society Spartan Sprint. Two hours starting at 9 pm Eastern, 8 pm Central, 7 pm Mountain, 6 pm Pacific.

Exchange - Report, State (Province), Power as in: 559 MI 5W

Enjoy, and get your logs in by noon Wednesday. Results should be posted by Thursday.

Fill out the Autolog at www.ARSqrp.com/ars/ss_log.html

73 de NA8M
John
Contest Manager

Date: Mon, 6 Oct 2003 07:27:49 -0400 (Eastern Standard Time)
From: "Pastor-kc1di" <elbc2@gwi.net>
To: <lostmessages@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158877] Re: Ten Tec Scout
Message-ID: <3F8151B5.000001.04028@DOR>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

Hi Bob,=0D
I owned a Scout for about 4 years.. Great little cw rig ..=0D
The only time mine would jump frequency was when I was sending Cw at or
above about 27 w.p.m. and what is happening when that happens is that t=
he
computer in the rig does not have time to correct the frequency quickly
enough. so it jump to the next even digit. the only cure I found was to
use an outboard keyer and not use the internal computer generated keyer.=20
this seemed to work for me. =0D
hope that is of some help. =0D
73 DAVE Kc1di =0D
=0D
P.S. it also seemed to help not running the rig on the ragged edge of pow=
er.
I usually ran mine at 40w or lower. =0D
=0D
-----Original Message-----=0D

=0D
From: lostmessages@comcast.net=0D
Date: Monday, October 06, 2003 7:20:24 AM=0D
To: Low Power Amateur Radio Discussion=0D
Subject: Ten Tec Scout=0D
=0D
A couple questions on the Scout:=0D
=0D
I just got one with all the band modules and am fairly happy with it. Add=
ed=0D
the QRP switch mod so I don't have to play with the power pot... I want t=
o=0D
run it mobile but did not get a noise blanker module with it. If anyone=0D
happens to have a blanker they would like to sell, PLEASE let me know.=0D
=0D
Drift ????? My unit does not seem to drift (as they ar noted for) in the=
=0D
conventional manner. There are occasional sudden SLIGHT jumps off and bac=
k=0D
to the chosen freq. A slight shift in note is detectable, but the rig doe=
s=0D
not go wondering off frequency never to return. What mods, if any, have=0D
been come up with to improve stability on these rigs? Wondering if this=0D
radio may already be modified somehow. And if further improvements may be=
=0D
possible.=0D
=0D
=0D
72=0D
Bob WB8CAC=0D
<http://www.qsl.net/wb8cac>=0D
=0D
=0D
=0D
=2E

Date: Mon, 06 Oct 2003 07:55:42 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [158878] Re: AA4XX 30M weekend beacon summary
Message-ID: <3F811FFE.13994.45C4699@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> A number of listeners sent in reports for the 30M QRSS beacon.

It was fun "chasing the beacon." Sorry I didn't listen for the 1mw signal, as I am sure it would have been even audible here. I could have easily "given away" another 10-20db from your 10mw signal. First time I have played this game.

As I said to Paul, would like to see a similar "event" on 160M. That would really be a challenge.

John W2AGN

Date: Mon, 6 Oct 2003 08:14:46 -0400
From: "Bruce Milne" <bmilne@cox.net>
To: "QRP-L Posting" <qrp-l@Lehigh.EDU>
Subject: [158879] Elecraft K1 For Sale
Message-ID: <000501c38c03\$6ea4f200\$2802a8c0@nc.hr.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"Mint" K1 for sale, no options. Built by volunteer Elecraft builder. 20 & 40 meters. Perfect condition electrically and cosmetically. Pictures upon request. Contact Bruce WB2QAP wb2qap@yahoo.com or phone 252-637-8071.

Date: Mon, 6 Oct 2003 07:27:11 -0500
From: "Jeff Imel" <jeffimel@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158880] "K" CW ID on 7040 kHz
Message-ID: <BAY9-DAV15eI46Ypc4n00003bc3@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone hear a station sending "K" over and over again on 7040 kHz at around 1130 - 1200 UTC? The "K" is sent every second. Its 429 here in Indiana on the RST scale.

Anyone on this list know the purpose of the "K?"

73

Jeff
KB9ZUR

Date: Mon, 6 Oct 2003 08:44:10 -0400
From: "Bruce Milne" <bmilne@cox.net>
To: "QRP-L Posting" <qrp-l@Lehigh.EDU>
Subject: [158881] Elecraft K1 For Sale (2)
Message-ID: <000501c38c07\$8a2a6600\$2802a8c0@nc.hr.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry, I forgot to include the price on the K1. Asking \$300. Bruce
wb2qap@yahoo.com

Date: Mon, 6 Oct 2003 09:39:46 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: <mgoins@usa.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158882] Re: jeweler saws?
Message-ID: <002401c38c10\$ca0caea0\$f33a2f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael,

Jeweler's saws are difficult to use. As a toolmaker I would have one or two projects a year that I could use the jeweler's saw to advantage. But they do break easily if pushed.

I find that for most applications of that sort a coping saw is a good tool. The coping saw also can be found with a much deeper frame than a jeweler's saw. And you should be able to find a variety of blades.

I think I have seen a good selection at Home Depot.

Phil

73, From Totus Porcus Columbus, Ohio EN801a
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTSCH DES FLIEGENDES SCHWEIN

----- Original Message -----

From: Michael Goins <mgoins@usa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, October 02, 2003 2:52 PM
Subject: jeweler saws?

> Anyone building enclosures using a jeweler's saw for the openings, or just
> a
> nibbler and filing? Looks like it would work very well for all the round
> openings where we used to use Greenlee hole punches and for the odd
rectangles
> of readouts, switches, etc. Just curious and thinking of adding one to the
> tool kit here.
>
> mike
> k5wmg
>
>

Date: Mon, 6 Oct 2003 07:08:23 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'jeffimel@hotmail.com'" <jeffimel@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158883] RE: "K" CW ID on 7040 kHz
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F72AD@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If memory serves, this used to be the channel marker for the old USSR
Kaliningrad (sp?) station. Used by various Soviet Navy, and fishing fleet...
Odd to find them in the amatuer bands tho' - probably something else.

HTH

.mark

Date: Mon, 06 Oct 2003 09:14:00 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, "George Baker" <w5yr@att.net>,
"Lew Paceley" <lew@paceley.com>,
Subject: [158884] Greenville Hamfest
Message-ID: <3.0.2.32.20031006091400.00839ea0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This Fest is this coming Saturday, 11 October. It's sponsored by the Greenville amateur radio club (SVARA) and included the Hopkins (HCARC) and Rains (RARA) county clubs

The fest is at the Greenville Civic Center. The center is located near the intersection of Hwy 69 and 69 Bus. This is on the South side of Greenville and the center is on 69 Bus about 1/4 mile from the intersection. I'm not sure about a call-in frequency but it may be the HCARC repeater, 146.68 - PL 151.4.

VE Testing and SkyWarn training are included activities.

If you would like to set up a table, they are \$10 each. You can setup starting Friday afternoon.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Mon, 06 Oct 2003 09:16:59 -0500
From: Ron Evans <cosmos41@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [158885] For Sale: Small Wonder Labs DSW-II, 20-meter version
Message-ID: <3F81795B.2040500@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Small Wonder Labs DSW-II (20-meter version) unbuilt in original, unopened packages. Even the box it was shipped in is unopened. This one was ordered on 7-9-2003 and was received last Friday. Brand new. Why wait 2-3 months when you don't have to! \$158 shipped. Money Order or Cashier's check only. CONUS only. (FYI -- current medical condition precludes kit building) Contact me at: cosmos41@ix.netcom.com. Thanks. Ron - KD5S

Date: Mon, 6 Oct 2003 07:13:54 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'kc8aon@juno.com'" <kc8aon@juno.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158886] RE: Noise reduction question for the mobileers
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F72AE@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm curious, what kind of vehicle is this?? I've succesfully used the RadioShack 10 amp filters to put on the power leads for fuel pumps. Don't remember the RS stock number, but these filters are supposed to be used on auto sound systems. I've put them on a Ford Ranger that had horrible fuel pump noise, reduced it from S9+, down to about S2 with the filter installed on top of the tank.

Please let me know what you find out! I just bought my next hf mobile project - Dodge 2500 Quad Cab, with the Cummins Turbo Diesel... So far, it's dead quiet. Can put a cheap AM radio right on top of the running engine, and there's no noise - even when the radio is off channel...

72

.mark

Date: Mon, 6 Oct 2003 10:40:33 -0400
From: "Jason Hsu" <jhs001@heronetwork.com>
To: <qrp-1@Lehigh.EDU>
Subject: [158887] OT: electrical engineering positions
Message-ID: <017d01c38c17\$d0957ca0\$64923144@aolidsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I think that ham radio, the homebrewing sub-hobby, and a career in electrical engineering are an excellent match due to the synergies involved.

How many of you on this list work as electrical engineers? Where do you work?

I ask because I am looking for a position as an analog electronics HARDWARE engineer. Last semester, I designed and built the QROP Meter, the SWR/wattmeter with both QRO and QRP capability and better resolution at high SWR levels. I am looking for a position that would involve similar work. (Of course, the application would be different and the circuits would be much more complex. And surface-mount instead of DIP components would be used.)

I am currently a graduate student at George Mason University majoring in electrical engineering and specializing in control systems. I am open to relocation, and there is a strong probability this will be necessary, since software, IT, and programming seem to be the center of the universe in this part of the country (Washington DC area). I am open to working in the defense industry (I am a US citizen), R&D laboratories (such as Southwest Research Institute, Los Alamos National Laboratory, Johns Hopkins University Applied Physics Laboratory, Fermilab, etc.), instrumentation companies (like the ones listed at http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Electronics/Test_and_Measurement_Equipment/Makers/), as well as other categories of workplaces.

By the way, does anyone here work for a company that manufactures electronic instrumentation? I get the impression that most electrical hardware engineers work for large companies or R&D laboratories. However, there are myriads of small companies that develop electronic instrumentation, and analog electronics hardware engineering is required somewhere in the process.

Jason Hsu, AG4DG

personal@@@jasonhsu.com

<http://www.jasonhsu.com/ee.html> (contains my how-to article on homebrewing a better SWR/wattmeter)

<http://groups.yahoo.com/group/eeham> (the networking group I started for people who are both electrical engineers and ham radio operators)

Date: Mon, 06 Oct 2003 14:41:27 +0000
From: "Jeff Imel" <jeffimel@hotmail.com>

To: qrp-1@Lehigh.EDU
Subject: [158888] RE: "K" CW ID on 7040 kHz
Message-ID: <BAY9-F14cobfpQ0aVj9000137ea@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks to all who replied.

The "K" becaon on 7039 kHz is a Russian channel beacon and information on this and other single letter beacons can be found here:

<http://www.cvni.net/radio/nsnl/nsnl32mx.html>

This map will give you an idea of where the "K" beacon is located:

<http://www.kamchatkapeninsula.com/geomap.html>

Thanks again and 73!

Jeff
KB9ZUR

>From: Mark Schoonover <schoon@amgt.com>
>To: "'jeffimel@hotmail.com'" <jeffimel@hotmail.com>, Low Power Amateur
>Radio Discussion <qrp-1@Lehigh.EDU>
>Subject: RE: "K" CW ID on 7040 kHz
>Date: Mon, 6 Oct 2003 07:08:23 -0700
>
>If memory serves, this used to be the channel marker for the old USSR
>Kaliningrad (sp?) station. Used by various Soviet Navy, and fishing
>fleet...
>Odd to find them in the amatuer bands tho' - probably something else.
>
>HTH
>
>.mark
>
>

Get MSN 8 Dial-up Internet Service FREE for one month. Limited time offer--
sign up now! <http://join.msn.com/?page=dept/dialup>

Date: Mon, 6 Oct 2003 09:42:49 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "Pigs" <multipigplus@yahooogroups.com>, "qrp-1" <qrp-1@lehigh.edu>,
"FPigs" <fpqrp-1@mpna.com>
Subject: [158889] E-bay fake
Message-ID: <01c101c38c18\$1d870ec0\$0077da0c@mchsi.com>

Well,,,,, I just got another one of those fraud messages.

Looks like the personal info gathering machine is at it again.
Someone is sending out " Official Notice for all eBay users "
in an effort to get our personal info.

This is a fraud / fake / junk

I started to forward this message so you could see it but it has a pic
attached to it that I can't see. My firewall blocked it!!
So, no forwarding today !!

72 / 73 to all and have a great week.

Jerry NOJRN

FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

Date: Mon, 06 Oct 2003 09:54:47 -0500
From: Ron Evans <cosmos41@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [158890] SOLD -- DSW-II
Message-ID: <3F818237.6070507@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The Small Wonder Labs DSW-II has been sold. Thanks.

Ron - KD5S

Date: Mon, 06 Oct 2003 09:09:01 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Brian Buydens <brian.buydens@usask.ca>
Subject: [158891] OT: Teachable moments - motors and generators
Message-ID: <Pine.OSF.4.53.0310060845440.454496@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

This post has nothing to do with Ham Radio but does involve basic electricity.

I have a daughter who is 14 years old whom we are home schooling. Whenever I find something from daily life that I can work into her curriculum I do so. This last week the water pump went on my Mercedes Benz. Mine was imported from Germany and the water pump is different than the North American models. The part that bolts into the engine is the same but the part that runs the fan is completely different.

In order to save some money buying a new fan assembly from Mercedes Benz, or waiting weeks while they tried to cross-reference the numbers with Stuttgart I decided to use the North American water pump and install an electric fan. To test how often the fan came on I wired up a light in the cab of the car which lights when the fan is blowing. I explained the circuit to my daughter and how the car's cooling system worked. We noticed that the fan never comes on when we are travelling down the highway since the wind is sufficient to cool the engine without the fan.

Now comes the teachable moment...

Last night was the first time we tried the system after dark. We noticed that on the highway the light was not completely dark but glowed dimly. In fact, as we sped up the light got brighter. When I stopped the light went out. This behaviour was completely at odds with how the circuit is supposed to work. A temp. sensor gives information to a controller which turns on a relay and the full operating voltage should be "seen" at the light and the motor. I asked my daughter for an explanation why the light would behave like this. After a while of thinking she said: "Maybe the fan motor is making electricity."

It turns out that there is enough wind going through the radiator to cause the motor to spin. The amount of electricity generated is not much (maybe 2 volts max.) but it is enough to cause the light to glow dimly at night.

Brian.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca

<http://duke.usask.ca/~buydens>
VE5RDV

I am a proud citizen of "Soviet Canuckistan"

Date: Mon, 6 Oct 2003 11:11:46 -0400
From: "sslyon" <sslyon@megalink.net>
To: <adamsmed2@cableone.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158892] BPL Testing -underground...
Message-ID: <002b01c38c1c\$28c3cf40\$34c7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ok... so if the technology can be proven to be acceptable (to other lic.
services) under conditions such as UNDERGROUND installations ONLY, that might be
a win-win. It would provide the service where that is possible, and more
importantly, establish recognized boundary conditions, too. Sure would alter the
cost/benefit picture tho, ja?

73
aa1my

----- Original Message -----
From: "Mabel & Don Adams" <adamsmed2@cableone.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, October 05, 2003 2:43 PM
Subject: Re: BPL Testing Nationwide

> I have just found out that Boise Idaho will be one of the sites for BPL
> testing as the following press release from
> IDACOMM (a subsidiary of Ambient) shows.
> <http://www.idacorpinc.com/news/pressreleases/20030903.htm>
>

Date: Mon, 6 Oct 2003 11:20:34 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [158893] Re: Morse Code on TV
Message-ID: <A1873C70-F810-11D7-8810-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

>The cool thing was that certain failures within the system, would
cause the
>SystemPro to send SOS out the speaker port. Very cool.

Reminds me of the time I was at work sitting at my computer and could
occasionally hear faint
morse code coming from somewhere ... it was driving me crazy. Next day
I realized that
a guy a few cubes down from me had a Nokia Cell phone with SMS
messaging ... every
time he received a message the phone sent S M S in morse ... thought I
was losing it
for a while.

Also, on year after working CW Sweepstakes I realized that I was
subconsciously
trying to copy the squeaks from my furnace fan while in the basement
looking for something.

Michael VE3WMB

Date: Mon, 6 Oct 2003 09:30:06 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [158894] RE: "K" CW ID on 7040 kHz
Message-ID: <20031006.093011.-566051.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually this has been addressed numerous
times and a full listing is or was available on
Chuck Adams' K7QO site along with distances
for propagation determinations.

K is located at Khabarovsk while P is in Kaliningrad.

In recent weeks there has been also the C Moscow beacon, F Vladivostok Beacon, yu (dididahdah) Kholm'sk, and U Murmansk, all on 7040 and at times all hearable at the same time, tho difficult to pick out as they overlap. They have been on that frequency, and others, for at least 45 years that I know of, and in many parts of the world, the 40 meter amateur band is just another area of frequencies to use whether the ITU says exclusive ham or not. So use them as a propagation aide to show when and where the bands are open.

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78
fp #111 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

Date: Mon, 6 Oct 2003 11:47:54 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [158895] RE: BPL Testing -underground...

Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3EB8@kosh.arrlhq.org>

Content-Class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

>From my testing and visits to the field sites, the areas of underground =
wiring had radiated emissions about 20-30 dB down from the levels with =
overhead wiring. Of course, from a rules point of view, the limit =
factor is Part 15. If the industry were to crank up the power by 20-30 =
dB, they would still meet Part 15 and would be able to send their =
signals farther along the underground wiring.

In the ham bands, the BPL noise level ranged from S2 to S6 in areas of =
underground wiring.

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

ARRL is the National Association for Amateur Radio. It is supported by = membership dues, individual contributions and the sale of publications = and advertising. For more information about ARRL, go to = <http://www.arrl.org/news/features/inside-your-league.html>. For more = information about membership, go to <http://www.arrl.org/join.html>. Your = contribution can also help support ARRL's ongoing efforts to protect = Amateur spectrum. Go to = <https://www.arrl.org/forms/development/donations/basic/> to learn more = about the ways you can support the ARRL programs and activities of most = importance to you. You can help ARRL protect Amateur Radio for you and = future generations to enjoy.

> -----Original Message-----

> From: sslyon [mailto:sslyon@megalink.net]

> Sent: Monday, October 06, 2003 11:12 AM

> To: Low Power Amateur Radio Discussion

> Subject: BPL Testing -underground...

>=20

>=20

> ok... so if the technology can be proven to be acceptable (to=20
> other lic.

> services) under conditions such as UNDERGROUND installations=20

> ONLY, that might be

> a win-win. It would provide the service where that is=20

> possible, and more

> importantly, establish recognized boundary conditions, too.=20

> Sure would alter the

> cost/benefit picture tho, ja?

> 73

> aa1my

>=20

> ----- Original Message -----=20

> From: "Mabel & Don Adams" <adamsmed2@cableone.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Sunday, October 05, 2003 2:43 PM

> Subject: Re: BPL Testing Nationwide

>=20

>=20

> > I have just found out that Boise Idaho will be one of the=20
> sites for BPL

> > testing as the following press release from

> > IDACOMM (a subsidiary of Ambient) shows.

> > <http://www.idacorpinc.com/news/pressreleases/20030903.htm>

> >

>=20

>=20

Date: Mon, 6 Oct 2003 09:59:29 -0600
From: "Bruce Kizerian" <kizerian@xmission.com>
To: <buydens@duke.usask.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158896] Re: Teachable moments - motors and generators
Message-ID: <005701c38c22\$d40b6880\$f10246a6@98seoem>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looks like you have a really bright kid there, Brian...but a reverse teaching moment, where your daughter actually teaches you (?)...that's precious...8-)...

Bruce kk7zz
www.elmerdude.com

Date: Mon, 6 Oct 2003 11:51:14 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158897] RE: OT: BPL Testing Nationwide
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3EB9@kosh.arrlhq.org>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The FCC has been issuing experimental licenses to BPL manufacturers and = utilities, on a city-by-city or multiple state basis for some time. This = is just an administrative action that cuts down on the FCC paperwork.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St

Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: John Sielke [mailto:jsielke@pobox.com]
> Sent: Friday, October 03, 2003 6:44 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: OT: BPL Testing Nationwide
>=20
>=20
>=20
> > Since we may discuss BPL issues on the list, I would like=20
> to present an idea
> > that may help those of us who are in the battle. You might=20
> have seen this
> > announcement; but if you haven't, the Ambient Corporation=20
> has been issued a
> > nationwide license by the FCC to start testing BPL:
>=20
> Doesn't this, along with Ms. Abernathy's comments kind of=20
> suggest the FCC=20
> has already made up its mind?
>=20
> John W2AGN (Cleaning up the old SB-220)
>=20
>=20

Date: Mon, 6 Oct 2003 10:12:54 -0600 (MDT)
From: Brian Mileschosky <n5zgt@swcp.com>
To: Jason Hsu <reply@jasonhsu.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158898] Re: OT: electrical engineering positions
Message-ID: <Pine.GS0.4.10.10310060959450.8292-100000@shimi.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I think that ham radio, the homebrewing sub-hobby, and a career in
> electrical engineering are an excellent match due to the synergies involved.
>
> How many of you on this list work as electrical engineers? Where do you
> work?

Jason et. al.,

I graduated with my BSEE last December and am currently working as an EE staff member at Sandia National Laboratories in Albuquerque, New Mexico. Sandia is a multi-program lab doing cutting-edge work (actually more than I can describe) for both industry, but primarily for our nation's national security and deterrence. I don't want to make this an advertisement, but since you asked, I'll let you do your own poking around at www.sandia.gov

I've recently been accepted to Georgia Tech's masters program, to be paid for by Sandia hopefully beginning next Fall. It's an awesome place in my opinion, in terms of their desire for their employees to learn, its culture, and the lines of work.

In fact, Ham Radio is what led me to studying electrical engineering. It is indeed a perfect match with EE as a profession.

I wish you luck in your search for employment.

72,
Brian, N5ZGT

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700, QRP-L #580, AK/QRP #125
Boy Scouts of America - Eagle Scout - ASM Troop 409
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Date: Mon, 6 Oct 2003 12:17:32 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Jason Hsu" <reply@jasonhsu.com>
Cc: "qrp-l" <qrp-l@lehigh.edu>
Subject: [158899] RE: electrical engineering positions
Message-ID: <000001c38c25\$58869740\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I think that ham radio, the homebrewing sub-hobby, and a career in
> electrical engineering are an excellent match due to the
> synergies involved.
>
> How many of you on this list work as electrical engineers? Where do you
> work?

Jason,

Technically I'm a software engineer, or at least I was until last March when I was "promoted" to Product Manager for Ametek Power Instruments. (Don't let the title fool you - I'm still a bit chaser.) I was originally trained as a hardware tech, and fooled a few key managers into thinking I could do embedded software. (Or firmware, as my company likes to call it now.) But I've been involved in both hardware and software development for 20+ years for companies that built electrical power instrumentation. My own specialty is electricity billing meters.

> I ask because I am looking for a position as an analog
> electronics HARDWARE
> engineer. Last semester, I designed and built the QROP Meter, the
> SWR/wattmeter with both QRO and QRP capability and better
> resolution at high
> SWR levels. I am looking for a position that would involve similar work.
> (Of course, the application would be different and the circuits would be
> much more complex. And surface-mount instead of DIP components would be
> used.)

I doubt a prospective employer will care much about the DIP vs. SMT distinction, as long as you have the basics and are creative.

> I am currently a graduate student at George Mason University majoring in
> electrical engineering and specializing in control systems. I am open to
> relocation, and there is a strong probability this will be
> necessary, since
> software, IT, and programming seem to be the center of the
> universe in this
> part of the country (Washington DC area).

Yeah, the Pentagon will do that. (Grin)

> I am open to working in the
> defense industry (I am a US citizen), R&D laboratories (such as Southwest
> Research Institute, Los Alamos National Laboratory, Johns Hopkins
> University
> Applied Physics Laboratory, Fermilab, etc.), instrumentation
> companies (like
> the ones listed at
> [http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Ele](http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Electronics/Test_and_Measurement_Equipment/Makers/)
> [ctronics/Test_and_Measurement_Equipment/Makers/](http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Electronics/Test_and_Measurement_Equipment/Makers/)),
> as well as other categories of workplaces.

Defense should be a good place right now, with all the recent concern over national security. I'm told that Harris RF in Rochester, New York, is a bright spot of hiring in a dismal job market. They do a good deal of defense

contracting and development of government and commercial RF gear. Many (but not all) of their projects obviously require a security clearance. If you already have one it's easier to get an interview for those positions, but in very few cases is it a pre-requisite. (It's not like you can go down to Post Office and apply for one.) If they can't find otherwise qualified applicants that already have clearances, they'll work on getting one for you.

Good luck getting into a research lab - they tend to skim the cream of the academic crop (which might still be an option for you depending on your standing) or highly experienced and recognized experts.

> By the way, does anyone here work for a company that manufactures electronic instrumentation? I get the impression that most electrical hardware engineers work for large companies or R&D laboratories. However, there are
> myriads of small companies that develop electronic instrumentation, and
> analog electronics hardware engineering is required somewhere in the
> process.

I don't have the statistics, but I wouldn't be at all surprised if the majority of electronics engineers work for small (ca. 100 employees) companies in the US. For example, here in Rochester Eastman Kodak is a major employer of design engineers. But there are dozens, if not hundreds, of smaller companies, many started by former Kodak employees, that are suppliers to Kodak. Every mega-corporation has a swarm of other companies with which it does business.

My own company has 4 or 5 hardware engineers and 6 or 7 software or firmware engineers spread over 3 facilities. We probably have about 250 employees overall. My last employer, a small specialty printer manufacturer, had 3 software or firmware engineers, one hardware engineer, and one mechanical engineer (who doubled as the VP of Engineering). They had about 50 employees overall.

One thing you may notice about smaller companies is that you may have to wear multiple hats: your business card might say "hardware engineer" but you could end up writing code, testing, doing customer support, manufacturing engineering... whatever is needed. In a large company people tend to be more focused on one job type. I like the variety of the small company; many don't.

One disturbing (from my point of view) trend, is the tendency of large corporations to out-source certain jobs. Many large companies have very small engineering departments which contain mostly managers. They hire contract engineering firms to develop products, thus out-sourcing the design functions. You could get a job with a contract engineering firm, but unless they're very good at marketing their services, you may find yourself between

jobs frequently. But some people like the variety. Few projects last more than a year, and you don't get stuck maintaining a poor design for the rest of your career. That's my job. (grin)

Dave

Date: Mon, 6 Oct 2003 12:30:34 -0400
From: "Bruce Milne" <bmilne@cox.net>
To: "QRP-L Posting" <qrp-l@Lehigh.EDU>
Subject: [158900] Re: Elecraft K1 For Sale
Message-ID: <000301c38c27\$2b070780\$2802a8c0@nc.hr.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The K1 has been sold. Thanks all.

Date: Mon, 6 Oct 2003 13:24:23 -0600 (MDT)
From: Karl Larsen <k5di@zianet.com>
To: sslyon <sslyon@megalink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158901] Re: BPL Testing -underground...
Message-ID: <Pine.LNX.4.44.0310061322440.4680-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 6 Oct 2003, sslyon wrote:

> ok... so if the technology can be proven to be acceptable (to other lic.
> services) under conditions such as UNDERGROUND installations ONLY, that might be
> a win-win. It would provide the service where that is possible, and more
> importantly, establish recognized boundary conditions, too. Sure would alter the

I have a friend in Boise and just wrote him with the web page and asked him to help. He is an EE and is super bright.

> cost/benefit picture tho, ja?
> 73

> aa1my
>
> ----- Original Message -----
> From: "Mabel & Don Adams" <adamsmed2@cableone.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Sunday, October 05, 2003 2:43 PM
> Subject: Re: BPL Testing Nationwide
>
>
> > I have just found out that Boise Idaho will be one of the sites for BPL
> > testing as the following press release from
> > IDACOMM (a subsidiary of Ambient) shows.
> > <http://www.idacorpinc.com/news/pressreleases/20030903.htm>
> >
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 06 Oct 2003 15:55:42 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [158902] Re: electrical engineering positions
Message-ID: <3F81C8BE.17AB6BB0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is directed to all three people, two who responded and the originator.

Employers of EE's vary from one person companies to 1000's of employee companies. Un general though, the hardware divisions are small compared to the other portions of the company. Most "for profit" companies tend to have a few hardware designers and lots of system engineers, marketing people, and others. Beware, you will not always be designing new products, as an entry level designer you will likely be assigned to old established products.

This is a place to learn. Learn about the design and about the companies philosophy of design! Pay attention! These are lessons that

will influence your future both at the company and beyond.

For the most part I would forget about the government in places like Washington, DC. They do o hardware work there, unlike the case 30 years ago. What little hardware work is done is done at field facilities. One exception to this might be the CIA.

You will require a security clearance for nearly any government job and any private industry job involving government electronics. Most employers, government included, recognize that very few colleges have positions that require them for students. Your employer will get you one. They start with CONFIDENTIAL and progress up way above SECRET. SECRET is enough for most electronics.

Don't overlook large companies. Boeing, for example, shops out most of their electronics, but used to maintain a very fine group that designed and built prototypes and evaluated proposals.

73

Date: Mon, 06 Oct 2003 20:09:22 +0000
From: "Jeff Imel" <jeffimel@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [158903] FS: DSW-II-20
Message-ID: <BAY9-F65z1H6aFg9jU300025cc6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I purchased a built DSW-II-20 on Thursday for a friend of mine who wanted one. I learned today that due to circumstances beyond his control, he can't keep his end of the deal. He's my friend and I fully understand...but now I have three DSW-II's.

I paid \$190 for this one. If anyone is interested in taking it off my hands, I'll sell it to you for what I have in it...\$190 and I'll pay for the shipping within the USA. It works great and I made five contacts on it this weekend. Please contact me off list at jeffimel@hotmail.com

If no one is interested, then I guess I have the largest DSW-II collection outside of Small Wonder Labs! HI HI

73 and hope to run into some of you tonight in the Spartan Sprint.

Jeff

KB9ZUR

Help protect your PC. Get a FREE computer virus scan online from McAfee.
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Mon, 6 Oct 2003 16:27:32 -0400 (Eastern Daylight Time)
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <aa8vs@msn.com>, <qrp-1@Lehigh.EDU>
Subject: [158904] Re: QRP Ideas
Message-ID: <3F81D034.000001.03148@compaq1500>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

The rock-mite series from Dave Benson at Small Wonder Labs have to be the
quickest radios that really work. 30 M might be best compromise for band
conditions on 40 vs 20 m. Test equipment: Volt meter, dummy load with rf
voltmeter diode or a watt meter. and a good magnifying glass to spot solder
blobs. Experienced builders should have them done in an hour or so if someone
who has built one before gives a little talk on what to watch out for ahead
of time. Those that don't know which end of the soldering iron to pick up
will take longer. =0D
=0D
73/72 - Mike WA8BXN

Date: Mon, 6 Oct 2003 08:50:44 -0700 (PDT)
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158905] RE: "K" CW ID on 7040 kHz
Message-ID: <20031006155045.9953.qmail@web60305.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Jeff Imel <jeffimel@hotmail.com> wrote:

> Thanks to all who replied.
>
> The "K" beacon on 7039 kHz is a Russian channel beacon and

> information on
> this and other single letter beacons can be found here:
>
> <http://www.cvni.net/radio/nsnl/nsnl32mx.html>
>
> This map will give you an idea of where the "K" beacon is located:
>
> <http://www.kamchatkapeninsula.com/geomap.html>
>
>
> Thanks again and 73!
>
> Jeff
> KB9ZUR

The Kamchatka Peninsula is located in the former Soviet Union's Far East. Not bad propagation for 7039 I'd say. HI

72, Gary -K8KFJ-

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Mon, 6 Oct 2003 13:54:28 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158906] Re: "K" CW ID on 7040 kHz
Message-ID: <20031006205428.30276.qmail@web9605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Jeff Imel <jeffimel@hotmail.com> wrote:
> Does anyone hear a station sending "K" over and over
> again on 7040 kHz at
> around 1130 - 1200 UTC? The "K" is sent every
> second. Its 429 here in
> Indiana on the RST scale.
>
> Anyone on this list know the purpose of the "K?"

It could be one of those Russian single-letter HF beacons that used to pop up all over the HF bands about 10 years ago. I think there used to be a C, D,

& S station around 7039 way back when.

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
The New Yahoo! Shopping - with improved product search
<http://shopping.yahoo.com>

Date: Mon, 6 Oct 2003 18:54:31 -0400
From: "sslyon" <sslyon@megalink.net>
To: <hjohnc@core.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158907] Re: Spartan Sprint Tonight
Message-ID: <000701c38c5c\$ce5a2540\$34c7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well it'll be hovering around the freezing mark here tonite, but I'll be up there in the tent right under the two crossed 88's in my down coat. No mosquitoes tonite! Got an open evening so will be on the air from 7:30PM 'til 11:00PM Eastern time. Probably start poking around 20m first and go down in freq pending propagation. Heard we're in another solar burp so this should be "interesting".

73
seab
aa1my

End of QRP-L Digest 3065
